

Name: Dr. GREESHMA ODUKKATHIL

Designation: Assistant Professor

School / Centre: Centre for Clean Environment

Biography:

Dr. Greeshma is Assistant Professor, Centre for Clean Environment at VIT since January 2023. Her area of research interest includes Bioremediation of contaminated soil/water, Environmental Monitoring- pesticides, heavy metals, emerging contaminants etc., Water Quality, value added product development from waste, composting of solid waste, microbial products, water/wastewater treatment.

Dr Greeshma did her Post-Doctoral Research in Anna University Chennai and her post-doctoral work was on 'Bioremediation of Agriculture runoff'. She received her Ph.D in Environmental Biotechnology from Anna University, Chennai and her doctoral research work was 'Bioremediation of pesticide contaminated soil'.

Dr. Greeshma is a recipient of UGC Post-Doctoral Research Fellowship for Women, UGC Research Fellowship for Meritorious Students in Science, Indira Gandhi Scholarship for Post Graduate Single Girl Child from University Grant Commission. She is also a recipient of Swachhta Saarthi Fellowship 2021, Swachhta Saarthi Fellow of the Month, May 2021 under the fellowship Swachhta Saarthi Fellowship 2021, The Office of the Principal Scientific Adviser, Government of India. She also received CEG Anna University Best Research Paper Award 2016. Her research output includes 15 journal publications, 3 Granted Patents and 3 book chapters.

Educational Details

Post Doc

Specialisation: Bioremediation

University: Centre for Environmental Science, Anna University

Year: 2022

Ph.D.

Specialisation: Environmental Biotechnology

University: Centre for Environmental Science, Anna University

Graduated in year: 2014

PG

Specialisation: M.Sc. Environmental Biotechnology

University: Annamalai University, Chidambaram

Graduated in year: 2007

UG

Specialisation: B.Sc. Zoology

University: University of Calicut, Kerala

Graduated in year: 2005

Research Expertise

Areas of Specialization: Environmental Biotechnology, Bioremediation, Value added product development from waste, Composting, Environmental Monitoring, Water Quality

Research Project Completed: NA

Research Project Ongoing: NA

ORCID: 0000-0001-6900-5043

SCOPUS: 55613716200

GOOGLE SCHOLAR:

<https://scholar.google.com/citations?user=GBTFQc0AAAAJ&hl=en&oi=ao>

h-index: 6

i10- index: 5

Consultancy Project Details -

Research Project -Completed-

Research Project- Ongoing-

Books/Book Chapters

N.Vasudevan , Greeshma. O. 2017. Pesticides Contamination in the Environment: Toxicological Effects, and Biodegradation and Bioremediation Mechanisms In: Environmental Safety Environmental Pollutants and their Bioremediation, CRC, Taylor and Francis. DOI: 10.1201/9781315173351-4

N.Vasudevan Greeshma. O, 2021. Bioaugmentation in the Bioremediation of Petroleum Products In: Bioaugmentation Techniques and Applications in Remediation CRC Publishers, Taylor and Francis DOI: 10.1201/9781003187622 CRC, Taylor and Francis

N.Vasudevan Greeshma. O , 2022. Fungal Nanoparticles in Environmental Protection In: Biomolecules of Fungi: Nutraceutical, Pharmaceutical, Industrial and Environmental Protection Agrobios Research ISBN: 978939438014.

Patents

- A Process for The Production of Value-added Products from The Urine Of Diabetic Patients. Patent No – 356211– IP INDIA
- A Process for Treating Pesticide Contaminated Water. Patent No – 415067– IP INDIA
- A Novel and Comprehensive Process for Production of Biogas and Fuel Oil from Used Feminine Sanitary Napkins (UFSN). Patent No – 411866 – IP INDIA
- A Method for The Degradation of Chlorinated Biphenyls by A New VBNC Bacterial Strain. Patent Application No – 20241031296 – IP INDIA

Awards / Recognitions / Fellowships

- Swachhta Saarthi Fellowship 2021, The Office of the Principal Scientific Adviser, Government of India.
- Swachhta Saarthi Fellow of the Month May 2021 under the fellowship Swachhta Saarthi Fellowship 2021, The Office of the Principal Scientific Adviser, Government of India.
- Post-Doctoral Research Fellowship for Women, University Grants Commission, India
- C R Krishna Murthy Endowment Award for Best Research Paper, Anna University, Chennai

- Scholarship for Meritorious Students in Science, University Grants Commission, India.
- Indira Gandhi Scholarship for Post Graduate Single Girl Child, University Grants Commission, India